Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-08-03** **Date: 31/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-01-18

Sample ID No : 2018-01-08-03/02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/01/2018	31/01/2018	150.28 X 150.34 X 150.35	22593	8.231	467.7	20.7	20.9
2	Drain Concrete	M20	03/01/2018	31/01/2018	150.42 X 150.40 X 150.32	22623	8.246	481.9	21.3	
3	Drain Concrete	M20	03/01/2018	31/01/2018	150.22 X 150.42 X 150.48	22596	8.161	470.0	20.8	

Note:

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R KARTHIK RECHAN
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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-01-08-03** **Date: 10/01/2018**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains at Kanaka Nagar in Ward no.04
Agency	:	Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-01-18
Sample ID No	:	2018-01-08-03/03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/01/2018	10/01/2018	150.83 X 151.34 X 149.23	22827	8.261	394.9	17.3	17.5
2	Drain Concrete	M20	03/01/2018	10/01/2018	151.73 X 148.38 X 149.50	22514	8.246	391.7	17.4	
3	Drain Concrete	M20	03/01/2018	10/01/2018	151.25 X 149.63 X 150.38	22632	8.239	405.1	17.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-01-08-03** **Date: 10/01/2018**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains at Kanaka Nagar in Ward no.04
Agency	:	Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-01-18
Sample ID No	:	2018-01-08-03/03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/01/2018	10/01/2018	150.83 X 151.34 X 149.23	22827	8.261	394.9	17.3	17.5
2	Drain Concrete	M20	03/01/2018	10/01/2018	151.73 X 148.38 X 149.50	22514	8.246	391.7	17.4	
3	Drain Concrete	M20	03/01/2018	10/01/2018	151.25 X 149.63 X 150.38	22632	8.239	405.1	17.9	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-08-03** **Date: 31/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-01-18

Sample ID No : 2018-01-08-03/04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/01/2018	31/01/2018	150.17 X 150.13 X 150.32	22545	8.120	475.7	21.1	21.5
2	Drain Concrete	M20	03/01/2018	31/01/2018	150.13 X 150.22 X 150.17	22553	8.229	505.2	22.4	
3	Drain Concrete	M20	03/01/2018	31/01/2018	150.13 X 150.24 X 150.15	22556	8.222	471.4	20.9	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-08-03** **Date: 11/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-01-18

Sample ID No : 2018-01-08-03/05

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	04/01/2018	11/01/2018	150.13 X 150.16 X 150.32	22544	8.240	376.5	16.7	16.8
2	Drain Concrete	M20	04/01/2018	11/01/2018	150.13 X 150.22 X 150.11	22553	8.297	381.1	16.9	
3	Drain Concrete	M20	04/01/2018	11/01/2018	150.18 X 150.24 X 150.10	22563	8.245	381.3	16.9	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-08-03** **Date: 01/02/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-01-18

Sample ID No : 2018-01-08-03/06

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	04/01/2018	01/02/2018	150.23 X 150.14 X 150.26	22556	8.138	503.0	22.3	22.6
2	Drain Concrete	M20	04/01/2018	01/02/2018	150.46 X 150.29 X 150.87	22613	8.217	522.4	23.1	
3	Drain Concrete	M20	04/01/2018	01/02/2018	150.19 X 150.10 X 150.32	22544	8.236	507.2	22.5	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-12-04** **Date: 16/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-01-18

Sample ID No : 2018-01-12-04/01

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/01/2018	15/01/2018	150.82 X 150.51 X 150.19	22700	8.132	560.7	24.7	24.7
2	Cement Concrete Pavement	M30	08/01/2018	15/01/2018	151.04 X 150.23 X 150.11	22691	8.164	546.8	24.1	
3	Cement Concrete Pavement	M30	08/01/2018	15/01/2018	151.92 X 150.16 X 150.72	22812	8.206	577.2	25.3	

Note:

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Yelahanka Zone
Bangalore

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/02/2018

Lab ID	:	**CP-2018-01-12-04**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Construction of CC roads and drains at Kanaka Nagar in Ward no.04
Agency	:	Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.
Customer's Reference	:	EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-18
Sample ID No	:	2018-01-12-04/02
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/01/2018	05/02/2018	149.89 X 151.15 X 149.29	22656	8.228	747.6	33.0	32.3
2	Cement Concrete Pavement	M30	08/01/2018	05/02/2018	150.26 X 148.88 X 150.55	22371	8.172	718.1	32.1	
3	Cement Concrete Pavement	M30	08/01/2018	05/02/2018	149.58 X 151.21 X 152.25	22618	8.283	721.5	31.9	

Note:

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-12-28-01**	**Date: 30-12-17**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.	
Address	:	Project Sub division, BBMP, Bangalore.	
Project Name	:	Construction of CC roads and drains at Kanaka Nagar in Ward no.04	
Agency	:	Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.	
Customer's Reference	:	EE(Project)/Ynk Zone/ WO/89/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	28-12-17	
Sample ID No	:	2017-12-28-01/04	
Sample Type	:	JSW	
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.	
Date of test:	:	29-12-17	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	JSW	Fe500	8	0.391	540	669	20.0%	Satisfactory	Satisfactory
2	JSW	Fe500	10	0.617	563	680	20.0%	Satisfactory	Satisfactory
3	JSW	Fe500	12	0.889	581	695	19.0%	Satisfactory	Satisfactory

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